: SADDLE FITTING, AFT (OUTBOARD/INBOARD)



User:

Tuesday, 11/29/2005 3:05:45 PM

Linda Lacelle

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number

Estimate Number

: 25018 : 10533

P.O. Number

AIU:

This Issue Prsht Rev.

: 11/29/2005

: NC

: NIA : 24839

Type

S.O. No. : NIA

: MACHINED PARTS

COMMENT, RELOW

Total:

Re-format; Change to Dwg Rev. D &

Part Number

Drawing Name

: D2573 : D2573 REV D :

Drawing Number

Project Number

Drawing Revision Material

Due Date

: N/A · D

:NIA : 1/5/2006

Qty:

8 Um:

Each

Previous Run Written By

First Issue

Checked & Approved By

Comment

: Est: H 02.10.02

incorporated D2574KJ

Additional Product

Job Number:



Seq. #:

1.0

Machine Or Operation:

Description:

D6101007

7075-T7351 8.25X7.75X2.5

8.0000 Each(s)

1.0000 Each(s)/Unit 7075-T7351 8.25X7.75X2.5

Make from D6101-007 billet for D2573 Ensure that grain is along 7.75" length

Batch No: B24893

06/01/16

2.0 HAAS1

Comment: Qty.:

HAAS CNC VERTICAL MACHINING #1



Comment: HAAS CNC VERTICAL MACHINING #1

Program Batch No. <u>**35618**</u> Double check by: <u>510</u>

06/01/16

J.6 MS 06/01/18

1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets 2-Machine Step No 2 per

-Folio FA051 and inspect per attached Dimension Sheets

3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets

4-Deburr and remove all machining marks

5-Tumble to remove sharp edges. N/A

3.0

MILLING CONV.

CONVENTIONAL MILLING MACHINE



Comment: CONVENTIONAL MILLING MACHINE

M8 06/01/18

Machine keyway as per dwg D2573 & D2574

Page 1

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W/O:	W/O: WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
:		•							
		• .							
		ı	:						

Part No:	PAR #:	Fault Category:	NCR: Yes No	DQA:	Date: _	colodi
			QA: N/C Cld	sed:	Date:	

NCR:		W	ORK OR	DER NON-CONFORMANCI	E (NCR)			
DATE	CTED	Description of NC		Corrective Action Section B	1	Verification	Approval Chief Eng	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		QC Inspector
06/01/19	2	Dimension we the thick- ness of the a" bore is		changed shims	3.6		18	//
		below toleRance.	.0	Thickness of 0.112" OK.	06/01/19		9	12 /
		Part not Shimed Property.	060114	See email		OG orib	06.01.24 per asion	06 02.21
		Dimension of the thick	- per asi 642		06/01/19		187	
06/01/19	9	ress of the 2" bore is below tolerange and	10		0610111	<i>'</i> - <i>L</i>	66.01.24	[/
		Whaxis opp making	06.01.24	thickness of 0.112" OK Hole spacing OK, see email		(ob. 02.21	Pr 05/642	Lounn
		Part not shimed	nt e grove					1000
		PROPERLY						

NOTE: Date & initial all entries

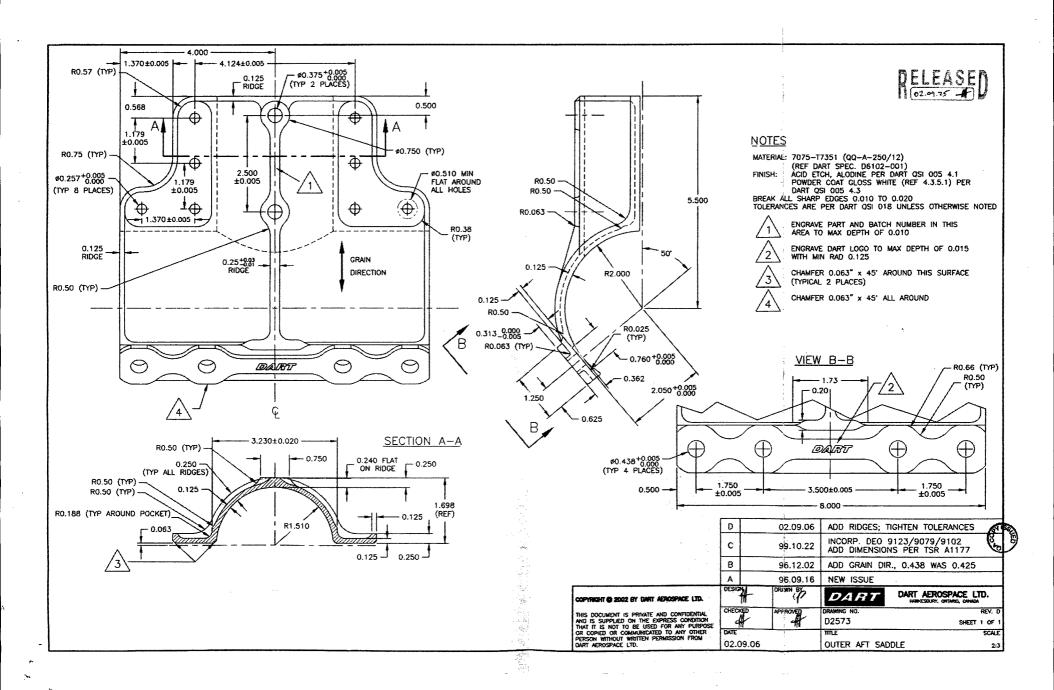
Date: Tuesday, 11/29/2005 3:05:45 PM Úsev: Linda Lacelle **Process Sheet** Drawing Name: SADDLE FITTING, AFT (OUTBOARD/INBOARD) Customer: CU-DAR001 Dart Helicopters Services Job Number: 25018 Part Number: D2573 Job Number: Seq. #: **Machine Or Operation:** Description: INSPECT PARTS AS THEY COME OFF MACHINE 4.0 QC2 - MS 06/01/18 Comment: INSPECT PARTS AS THEY COME OFF MACHINE 8 QC8 SECOND CHECK 5.0 Comment: SECOND CHECK 136 HAND FINISHING RESOURCE #1 HAND FINISHING1 6.0 Comment: HAND FINISHING RESOURCE #1 Acid etch and Alodine as per QSI 005 4.1 POWDER COATING POWDER COATING 7.0 **Comment: POWDER COATING** Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3 INSPECT POWDER COAT/CHEMICAL CONVERSION 8.0 Comment: INSPECT POWDER COAT 9.0 PACKAGING 1 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock C 206102120 Location: ST 479 10.0 DOCUMENT CONTROL Comment: DOCUMENT CONTROL Syx 01/02/21 Inspection Level 21 Job Completion

D

W/O:		WORK ORDER CHANGES	S				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		f				4	
:							
Part No):	PAR #: Fault Category:	NCR: Yes	s No DQ	A:	Date: _	
			QΔ·	N/C Close	q.	Date:	

NCR: WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B		Verification		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
						1		
7.00±12								
				•				

NOTE: Date & initial all entries



DART AEROSPACE LTD	Work Order:	25018
Description: Saddle, Aft Outboard	Part Number:	D2573
Inspection Dwg: D2573 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443	DT8682	/					
В	1.745	1.755		1:750	1.150	1.750	1.748		
С	3.495	3.505		3.500	3.500	3,500	3.501		
D	1.745	1.755		1.750	1.750	1.750	1.746		
E	7.990	8.010		8.003	€.002	8.004	8-004		
. F	0.490	0.510		.497	.503	,502	0 1996		
G	0.257	0.262	DT8683						
Н	0.375	0.380	DT8684						
1	0.490	0.510		-503	.50H	~507	0.500		
J	1.174	1.184		1.180	1.180	1.180	1.179		
K	0.558	0.578		"S12	,570	.573	0.568		
L_	1.174	1.184		1.180	1.180	1.180	10180		
М	1.365	1.375		1,371	1-371	1.310	1.369		
N	2.495	2.505		⋧.≤००	2.500	2.500	व. ५५५	,	
0	4.119	4.129		H.123	4.125	14.1221	4-121		
Р	0.115	0.135		-125	*/32	-152	0-126		
Q	0.115	0.135		.135	./35	135	0-135		
R	0.240	0.260		,245	244	248	७ -2 पंप		
S	0.115	0.135		123	*1374	.125	0-194		· · · · · · · · · · · · · · · · · · ·
Т	0.178	0.198		.188	188	.188	188		
U	3.210	3.250	" " ' 	3.531	3.331	3,230	3.231		
V	0.230	0.250		۰ <u>۵</u> ۶۶	-235	237	0.235		·
W	0.115	0.135		.125	124	125	0 8		VIII ALICA CALLA C
Х	0.308	0.313		.308	.311	-311	9.311		
Υ	0.760	0.765		~76Z	.762	.762	0.761		
Z	0.352	0.372		-368	.368	.370	0.364		
AA	0.470	0.530		.500	.500	500	, Sco		***************************************
AB	0.615	0.635		,631	.629	150	0-6		
AC	0.053	0.073		690,	.063	.063	٤٥٥٦		
AD	0.240	0.260		-247	246	*320	0.248		
AE	1.500	1.520		1.512	1.511	1.513	1.515		
AF	0.115	0.135		255	a\30	138	0-129		
AG	0.240	0.280		-270	270	270	0.270		
AH	0.240	0.260		= 246	246	-246	0-245		
ΑI	2.000	2.020		3.003	3.003	2.005	2.007		
AJ	0.023	0.043		.03	.63	,03	.03		
	Acc	ept/Reje	ct	,					

		<u></u>		
Measured by:	NS 06/01/18		Audited by	1
Date:			Date:	

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.26	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension Al	KJ/RF	11
E	05.12.05	Added dimension AJ	KJ/JLM	

DART AEROSPACE LTD	Work Order:	
Description: Saddle, Aft Outboard	Part Number:	D2573
Inspection Dwg: D2573 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

				Recorded Actual Dimensions					***************************************
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Α	0.438	0.443	DT8682				V		
В	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3,503	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.002	8.002	8.003	8.002		
F	0.490	0.510		500	.H98	,503	(503		
G	0.257	0.262	DT8683						
Ι	0.375	0.380	DT8684		V		~		
_	0.490	0.510		,501	£02.	.so3	.502		
J	1.174	1.184		1.180	081.1	1.180	081.1		
K	0.558	0.578		. 569	,569	.568	.508		
L	1.174	1.184		1.180	1.180	1.180	1.180		
. M	1.365	1.375		1.370	1.370	1.371	13-21		
N	2.495	2.505		2.501	2.500	2.500	2.500		
0	4.119	4.129		4.122	4.124	4.123	4.123		
Р	0.115	0.135		125	,124	~ i 25	125		
Ø	0.115	0.135		.135	,135	:135	.135		
R	0.240	0.260		- 247	. 245	. 248	.248		
S	0.115	0.135		.125	-121	りるろ	.122		
Т	0.178	0.198		.188	.188	881	188		
U	3.210	3.250		3.231	3.231	3.231	3.232		
V	0.230	0.250		.240	.238	·239	240		
W	0.115	0.135		1155	.124	134	.125		
X	0.308	0.313		.309	.310	.310	018.		
Y	0.760	0.765		.762	.762	,762	.762		
Z	0.352	0.372		370	.371	.359	.363		
AA	0.470	0.530		,500	,500	500	,500		
AB	0.615	0.635		_63Ô	£ E D.	.હત્ર	. (৯,7ই		
AC	0.053	0.073		.063	.063	800.	E2O.		
AD	0.240	0.260		. 247	247	* 24B	· 248		· · · · · · · · · · · · · · · · · · ·
AE	1.500	1.520		1.511	1.511	1.810	1-511		
AF	0.115	0.135		.135	.135	.135	, 135		
AG	0.240	0.280		,260	, <u>2</u> 60	.3%O	O26.		
AH	0.240	0.260		.250	249	248	B116.		
Al	2.000	2.020		2.004	2.00H	2.003	2.003		
AJ	0.023	0.043		EO.	,03	. O3	.03		
	Acc	ept/Reje	ct						

Measured by:	MS	Audited by	J.G
Date:	06/01/21	Date:	06/01/21

Rev	Date	Change	Revised by	Approved
Α	•	New Issue	RF	
В	02.09.26	Re-format; Added Rev. D	KJ	
С	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	7/
Е	05.12.05	Added dimension AJ	KJ/JLM	

Chris Provencal

From:

January 24, 2006 3:17 PM Sent: Chris Provencal To: Re: D2573 NCR Subject: Chris, I also checked the fit of the parts on two skidtubes in production, and didn't have a problem with fit. Therefore, these parts are acceptable deviations. David ---- Original Message -----From: "Chris Provencal" <cprovencal@dartaero.com> To: <davids@dartaero.com> Sent: Tuesday, January 24, 2006 12:44 PM Subject: D2573 NCR > D2573 Saddle: > One saddle, the thickness on the 2" bore is 0.112" (0.003" under min tol) > One saddle, the thickness on the 2" bore is 0.112" and the spacing of > between two of the saddle-to-skidtube holes is 1.743" (0.002" under min > tol). I checked the part on one of our 412 skidtubes in the shed, and with > D2570 bushing it fit OK. > Are these parts acceptable. > Sincerely, > Chris Provencal > DART Aerospace Ltd. > Email..cprovencal@dartaero.com > Phone...613-632-3336 > Fax.....613-632-4443 >

David Shepherd [davids@dartaero.com]